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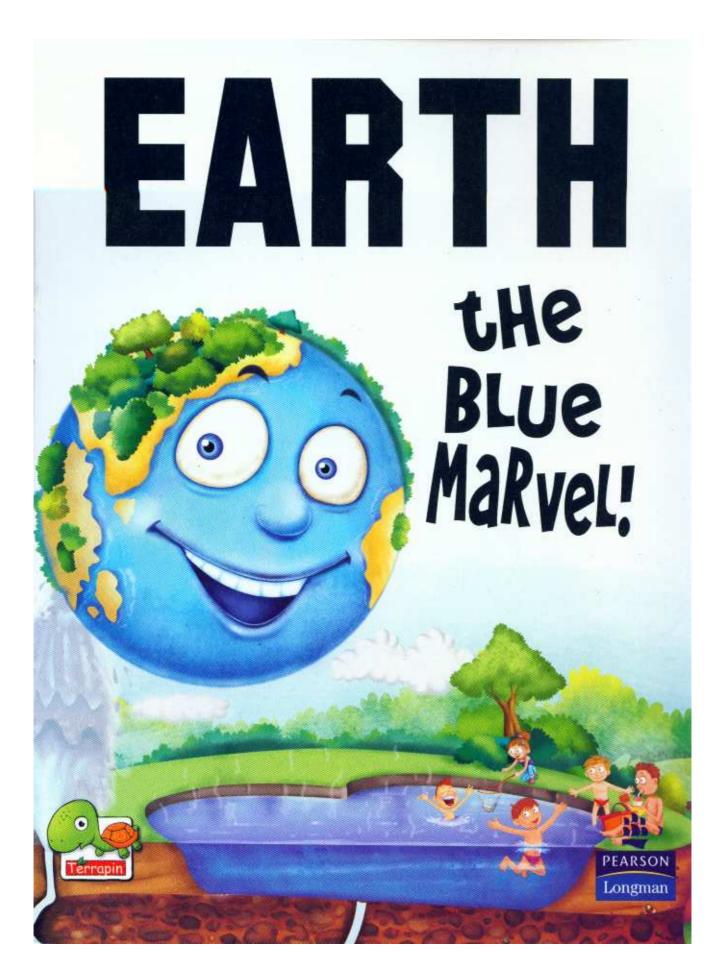
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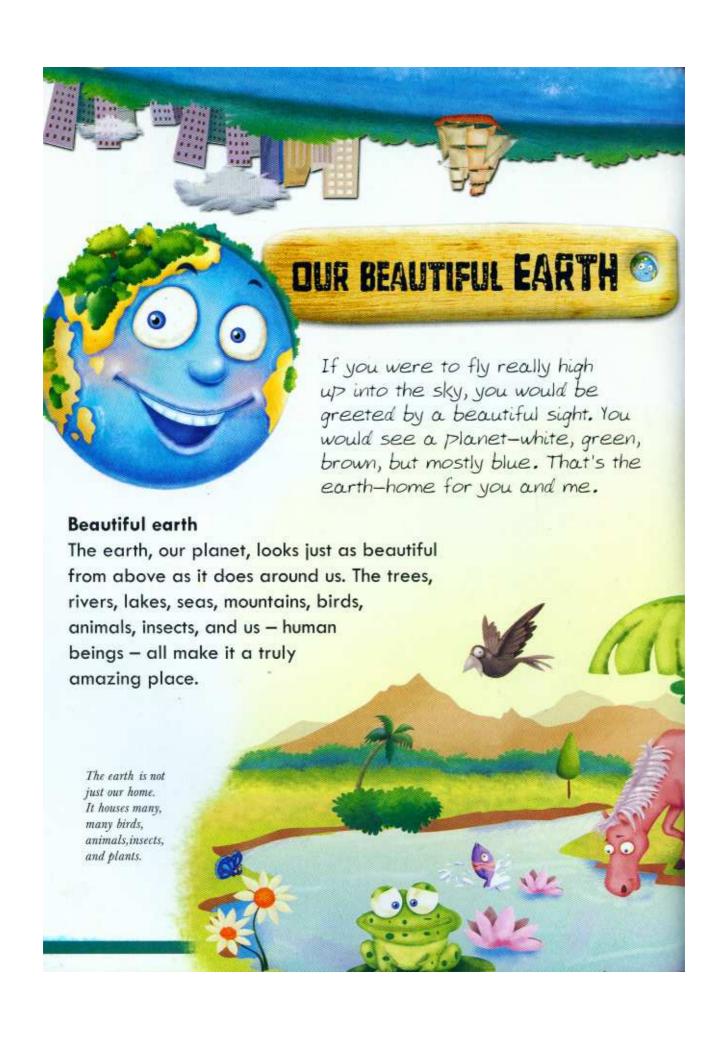
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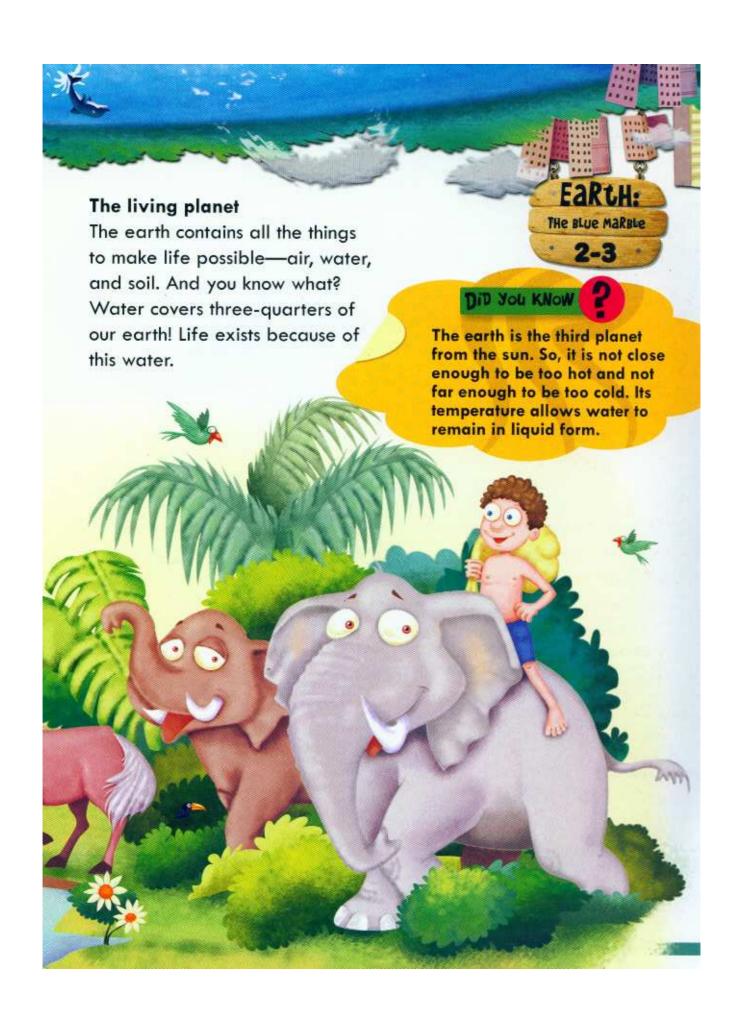
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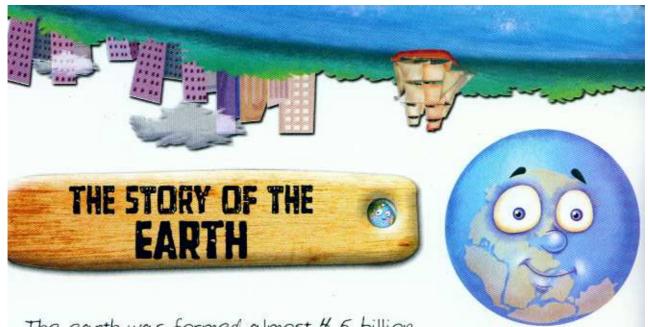
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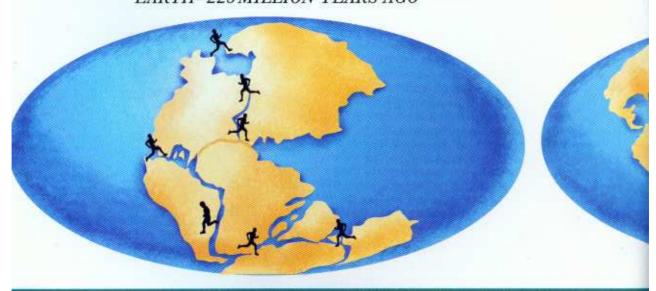


The earth was formed almost 4.5 billion years ago. Just as we grow year by year, the earth too is constantly moving and changing, but so slowly that we cannot feel it.

A big piece of land

Scientists believe that when the earth was formed, all the land was joined together to form a single piece of land, or continent, called Pangaea, meaning 'all earth'. So, if you wanted to go from India to Australia, you could have just hopped across! Cool, huh!?

EARTH-225 MILLION YEARS AGO

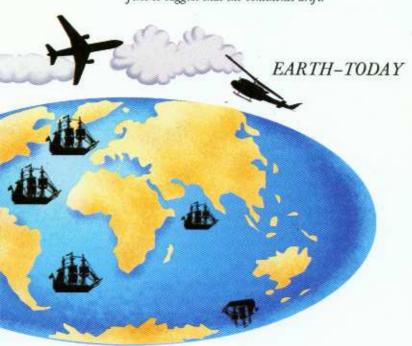


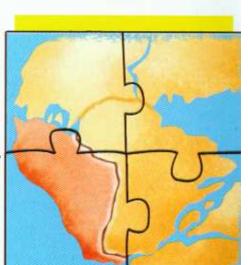


The earth has large solid blocks called plates. When these plates move, the continents or oceans above them also move. Over millions of

years, Pangaea has moved and broken into the different continents. These changes are still happening.

Alfred Wegener, a German scientist, was the first to suggest that the continents drift.

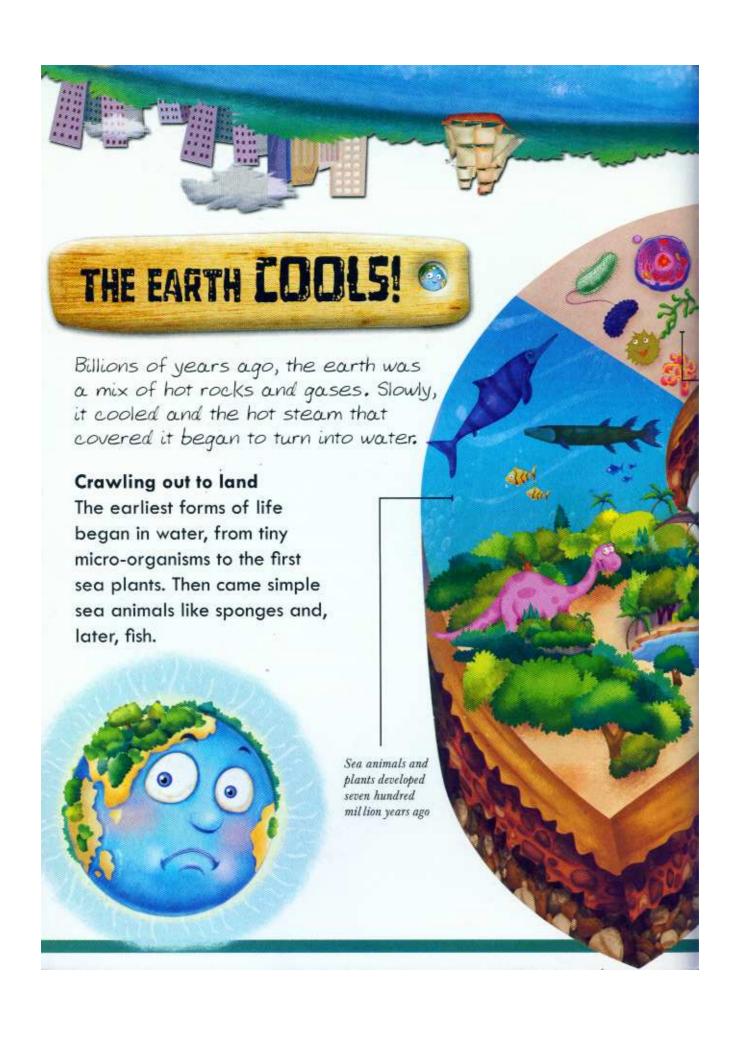




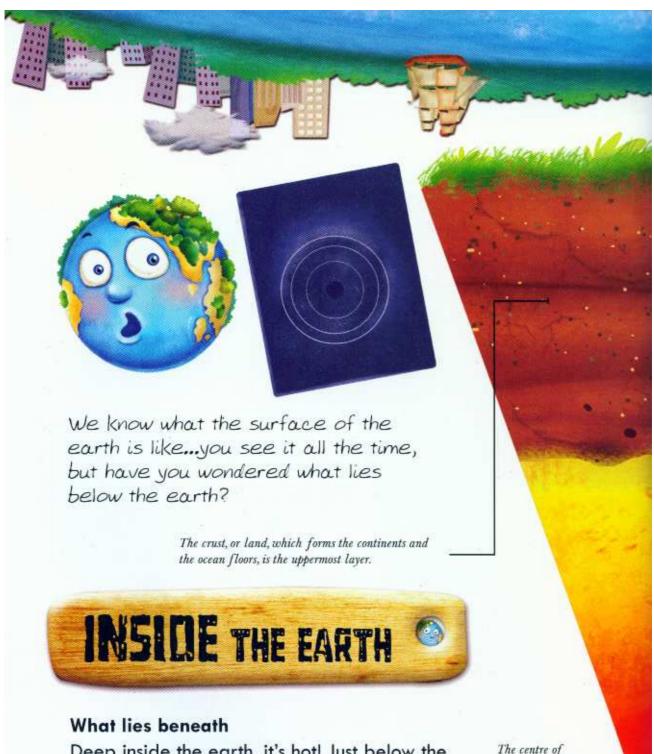
FUNNEE



Take a world map and cut out the continents. Move South and North America towards Africa. The bulge of Africa fits into the coast of North America, while South America fits the coast of Africa under the bulge!

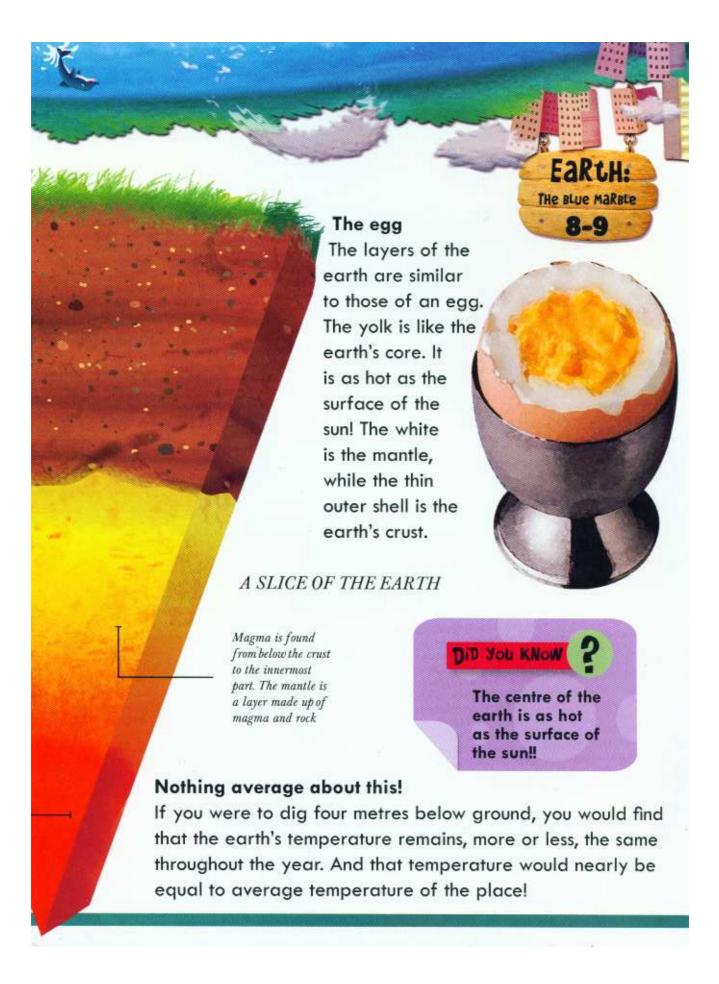


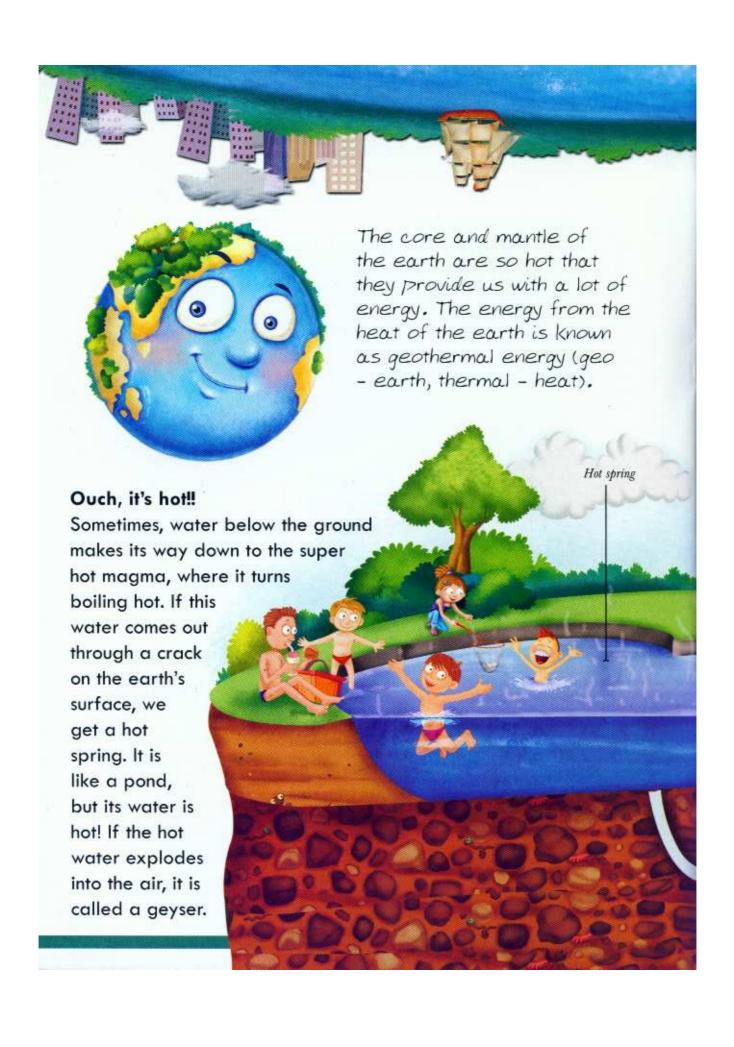


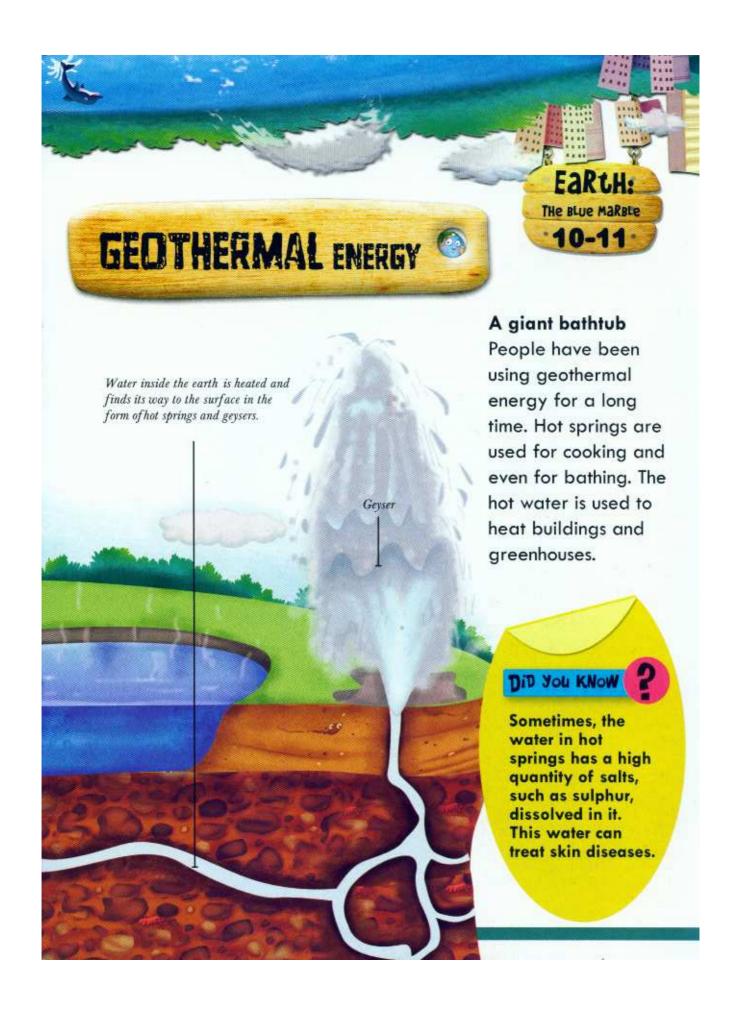


Deep inside the earth, it's hot! Just below the crust of the earth lies hot liquid rock called magma. The lava you see shooting out of a volcano is actually this hot magma.

The centre of the earth, or the core, is solid iron, surrounded by magma.









straw into a hot drink!



Geothermal energy is now used to make electricity! Holes are drilled into the ground, and pipes are lowered, so that the steam or hot water underground comes up through these pipes.

It is bit like putting a

ELECTRICITY

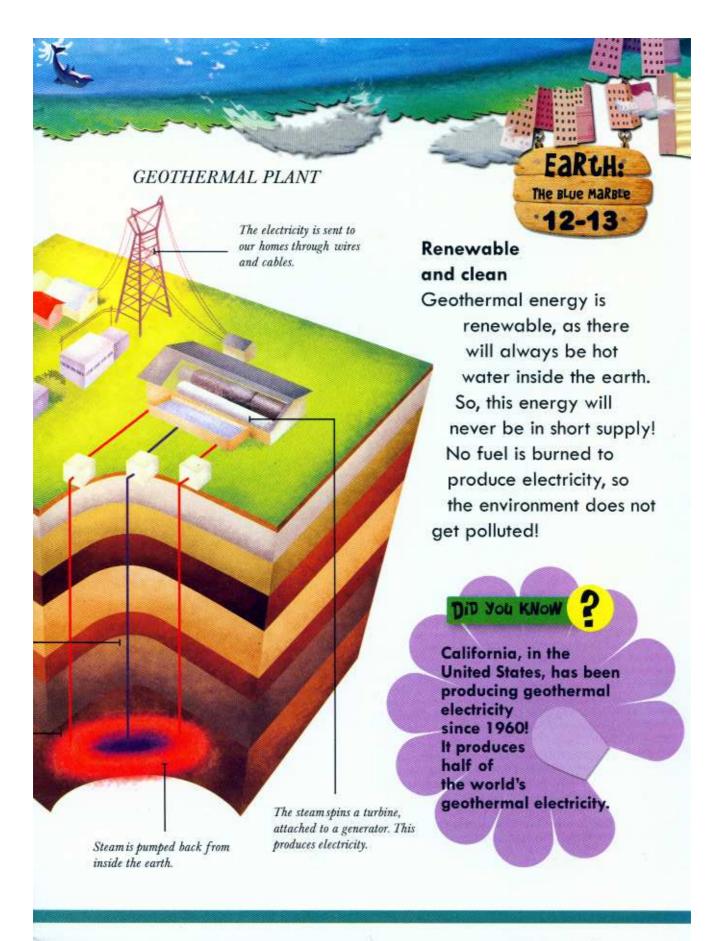


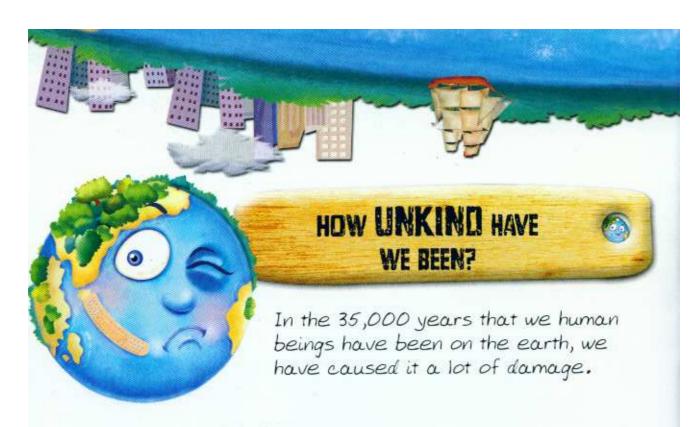
Power of steam!

The steam from the hot water provides the force to spin a turbine. The turbine is attached to a generator, which produces electricity! As the steam cools, it turns into water and is sent back into the earth through another pipe!

Cold water is pumped into the earth.

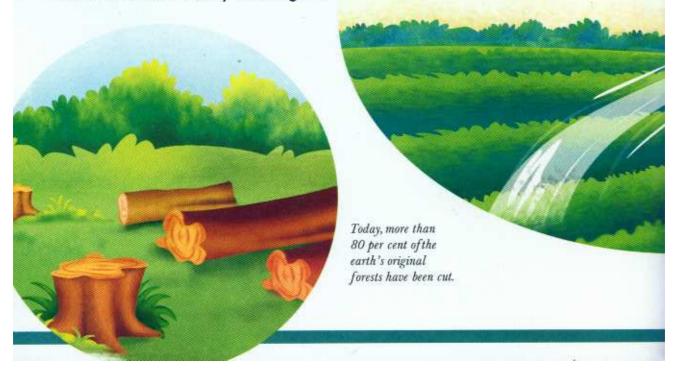
Heat within the earth turns the cold water into steam.

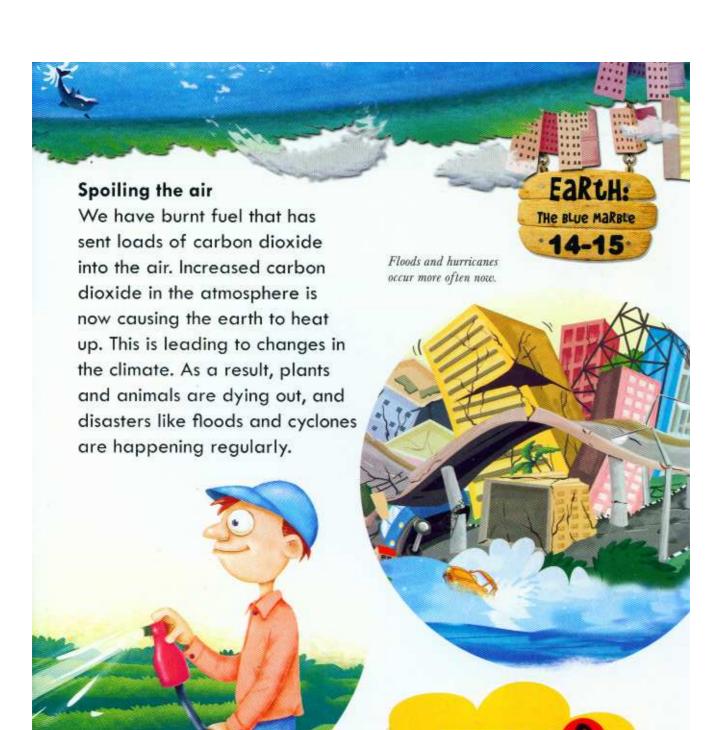




Wounding the land and its creatures

We have cut forests, which has not only reduced the number of trees, but also destroyed the homes of animals. Many animals that lived in the forests are now dying out, or becoming extinct. We have used harmful chemical fertilizers to make crops grow faster. As a result, the land is now badly damaged.





Chemical fertilizers harm the soil. They also seep inside the land and pollute water under the ground. DID YOU KNOW

Some scientist fear that if the earth's climate continues to change, one million species

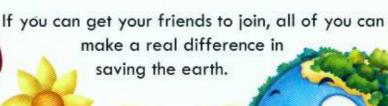
of plants and animals might become extinct by 2050.

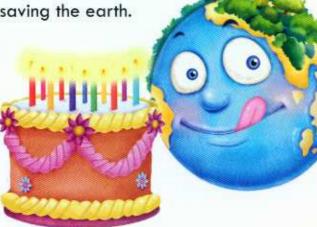


Here's what we can do around the year.

- Plant trees.
- Walk or cycle (instead of using a car). You will not pollute the environment by using fuel.
- Reuse. If you reuse items like paper, cloth, and plastic, less raw material will be used to make them and there will be less damage to the environment.

Recycle. Paper, plastic, glass, and metal can be recycled to be used again. All you have to do is put your waste into the right bins!





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GREEN
BOOK





ELA FILLE BLUE Makvel!

Did you know that Earth is many billion years old, but human beings like you and me only appeared about 35,000 years ago!? Did you know that Earth's core is as hot as some parts of the sun?

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